ANAIL ROOM
AUG SOCKET NO
PADEMARKS

r no.: 1818-25

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of:

Philip Dan Cook and Andrew Mamoto Kawasaki

Serial No.: N/A

Group No.:

Filed: N/A

Examiner:

For:

SUGAR MODIFIED OLIGONUCLEOTIDES THAT DETECT AND

MODULATE GENE EXPRESSION

Commissioner of Patents & Trademarks Washington, DC 20231

Sir:

ASSOCIATE POWER OF ATTORNEY

The undersigned, John W. Caldwell, Registration No.

28,937 of the firm WOODCOCK WASHBURN KURTZ MACKIEWICZ & NORRIS,

One Liberty Place - 46th Floor, Philadelphia, Pennsylvania 19103,

Attorney for Applicant(s), hereby appoints the following:

Robert B. Washburn	Registration	No.	16,574
Richard E. Kurtz	Registration	No.	19,263
John J. Mackiewicz	Registration	No.	19,709
Norman L. Norris	Registration	No.	24,196
Albert W. Preston, Jr.	Registration	No.	25,366
Dale M. Heist	Registration	No.	28,425
Philip S. Johnson	Registration	No.	27,200
Gary H. Levin	Registration	No.	28,734
Steven J. Rocci	Registration	No.	30,489
Dianne B. Elderkin	Registration	No.	28,598
Francis A. Paintin	Registration	No.	19,386
Henrik D. Parker	Registration	No.	31,863
John P. Donohue, Jr.	Registration	No.	29,916
Liza D. Hohenschutz	Registration	No.	33,712
Suzanne E. Miller	Registration	No.	32,279
Albert T. Keyack	Registration	No.	32,906
Lynn B. Morreale	Registration	No.	32,842
Joseph Lucci	Registration	No.	33,307
Michael P. Dunnam	Registration	No.	32,611
Patricia A. Schreck	Registration	No.	33,777
Jane Massey Licata	Registration	No.	32,257

his associates with full power to prosecute the above-identified application and to transact all business in the Patent Office connected therewith and requests that correspondence continue to be directed to the firm of WOODCOCK WASHBURN KURTZ MACKIEWICZ & NORRIS at the above address.

Date: August 13, 1990

John W. (Caldwell Attorney of Record Registration No. 28,937

WOODCOCK WASHBURN KURTZ
MACKIEWICZ & NORRIS
One Liberty Place - 46th Floor
Philadelphia, PA 19103
(215) 568-3100